



Docket No.: M4065.0594/P594-A

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Joel A. Drewes

Application No.: 10/644,882

Art Unit: 2818

Filed: August 21, 2003

Examiner: Thinh T. Nguyen

For: METHOD FOR MANUFACTURE OF

MRAM BITS

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

MS Non-Fee Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Office Action dated March 31, 2004 (Paper No. 031604), please amend the above-identified U.S. patent application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks/Arguments begin on page 7 of this paper.

PTO/SB/17 (10-03) 4

Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE 1 4 2004 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. FEE TRANSMITTAL Complete if Known **Application Number** 10/644,882-Conf. #6842 August 21, 2003 for FY 2004 Filing Date Joel A. Drewes First Named Inventor Effective 10/01/2003, Patent fees are subject to annual revision. **Examiner Name** Not Yet Assigned Applicant claims small entity status. See 37 CFR 1.27 Art Unit TOTAL AMOUNT OF PAYMENT 0.00 Attorney Docket No. M4065.0594/P594-A METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) 3. ADDITIONAL FEES Check Order X Deposit Account: Large Entity **Small Entity** Deposit 04-1073 Account Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid Deposit Dickstein Shapiro Morin & 1051 130 2051 65 Surcharge - late filing fee or oath Account Oshinsky LLP Name Surcharge - late provisional filing fee or cover 1052 50 2052 25 The Director is authorized to: (check all that apply) X Charge fee(s) indicated below X Credit any overpayments 1053 1053 130 130 Non-English specification Charge any additional fee(s) or any underpayment of fee(s) 1812 2 520 1812 2.520 For filing a request for ex parte reexamination Requesting publication of SIR prior to 1804 920* 1804 920* X Charge fee(s) indicated below, except for the filing fee Examiner action Requesting publication of SIR after to the above-identified deposit account. 1.840 1805 1805 1.840 Examiner action **FEE CALCULATION** 1251 110 2251 55 Extension for reply within first month 1. BASIC FILING FEE 1252 420 2252 210 Extension for reply within second month Small Entity Large Entity 1253 950 2253 475 Extension for reply within third month Fee Fee Fee Paid Fee Fee Fee Description 1254 1.480 2254 740 Extension for reply within fourth month 1001 770 2001 385 Utility filing fee 1255 2,010 2255 1.005 Extension for reply within fifth month 1002 340 2002 170 Design filing fee 1401 330 2401 165 Notice of Appeal 1003 530 2003 265 Plant filing fee 1402 330 2402 Filing a brief in support of an appeal 165 1004 770 2004 385 Reissue filing fee 1403 290 2403 Request for oral hearing 1005 160 2005 80 Provisional filing fee 1451 1,510 1451 Petition to institute a public use proceeding 1452 110 2452 Petition to revive - unavoidable 55 SUBTOTAL (1) 0.00 1453 1,330 2453 665 Petition to revive - unintentional 1501 1,330 2501 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Utility issue fee (or reissue) 1502 480 2502 Fee Paid 240 Design issue fee Clalms below 16 Total Claims -20** = 0.00 1503 640 2503 320 Plant issue fee Independent 1460 130 2 -3** = 0.00 1460 130 Petitions to the Commissioner Claims Multiple Dependent 1807 50 1807 50 Processing fee under 37 CFR 1.17(q) 1806 180 1806 180 Submission of Information Disclosure Stmt Large Entity Small Entity Recording each patent assignment per Fee Description 8021 40 8021 40 (\$) Code Code (\$) property (times number of properties) 1202 2202 Filing a submission after final rejection 18 9 Claims in excess of 20 1809 770 2809 385 (37 ČFR 1.129(a)) 1201 86 2201 Independent claims in excess of 3 43 For each additional invention to be 1810 770 2810 1203 290 2203 145 Multiple dependent claim, if not paid examined (37CFR 1.129(b)) 1204 86 2204 43 Reissue independent claims 1801 770 2801 Request for Continued Examination (RCE) over original patent Request for expedited examination 1802 900 1802 900 1205 2205 Reissue claims in excess of 20 18 of a design application and over original patent Other fee (specify) SUBTOTAL (2) (\$) 0.00 SUBTOTAL (3) (\$) 0.00 *Reduced by Basic Filing Fee Paid **or number previously paid, if greater; For Reissues, see above

Name (Bring Time) Thomas I DIA mine Registration No. 00 074		
Name (Print/Type) Thomas J. D'Amico Registration No. 28,371	Telephone	(202) 828-2232
Signature	Date	April 14, 2004

PTO/SB/17 (10-03)
Approved for use through 7/31/2006. OMB 0651-0032

APR 1 6 DOS	Under the Pape	work Reduction Ac	at of 1995, no pe	rsons are requi	red to re						. DEPARTMENT OF Colays a valid OMB cor	
W.	is	7544				Complete if Known						
TRACEDUL	- FEE	TRAN		Application Nu					per 10/644,882-Conf. #6842			
•		for EV	200			Filing Date				August 21, 2003		
		for FY	ZUU 4	•						Joel A. Drewes		
•	Effective 10/01/2003, Patent fees are subject to annual revision. Applicant claims small entity status. See 37 CFR 1.27				Examiner Name					Not Yet Assigned		
										N/A		
• *		·						akat Na			594/P594-A	-
		NT OF PAYMEN		0.00		Allom	ey Do	cket No				
'. }	METHOE	OF PAYMENT		apply)	_			FEE	CALCUL	ATION (co	ntinued)	
	X Deposit Acc Deposit Account Number	CardOn	Othe	None		Entity Fee (\$)		Entity Fee (\$)		Fee Desc	ription	Fee Paid
		Dickstein Shapi	ro Morin &	=	1051	130	2051		Surcharge -	- late filing fe	e or oath	
	Account Name	Oshinsky							_	-	e or oaur onal filing fee or cover	\vdash
		thorized to: (check			1052	50	2052	25	sheet.	ato provisit	ming 100 Of COVE	
	X Charge fee(s)	indicated below	X Credit any	overpayments	1053	130	1053	130	Non-English	n specification	n	
	Charge any a	dditional fee(s) or any	underpayment of	fee(s)	1812	2,520	1812	2,520	For filing a re	equest for ex p	parte reexamination	
					1804	920*	1804	920*			of SIR prior to	
		indicated below, exce tified deposit accoun		fee					Examiner as Requesting	ction publication o	of SIR after	
	to the above-tuent				1805	1,840*	1805		Examiner ad	ction		
	1. BASIC FILI	FEE CALCUL	ATION		1251 1252	110 420	2251 2252			or reply within	n tirst month n second month	
		NG FEE nall Entity			1252	950	2252			or reply within		\vdash
	Fee Fee Fe	e Fee <u>Fee</u>	Description	Fee Paid	1254	1,480	2254	740			n fourth month	
	Code (\$) Cod 1001 770 200		/ filing fee		1255	2,010	2255			or reply within		\vdash
	1002 340 200		on filing fee		1401	330	2401		Notice of Ap		T III III III III III III III III III I	
	1003 530 200	•	filing fee		1402	330	2402		*	, f in support o	of an appeal	
	1004 770 200	04 385 Reiss	sue filing fee		1403	290	2403	145	Request for	oral hearing		
	1005 160 200	05 80 Provi	isional filing fee		1451	1,510	1451	1,510	Petition to in	nstitute a pub	lic use proceeding	
		SUBTOTAL ((1) (\$)	0.00	1452 1453	110	2452			evive – unav		
	2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Extra Fee from					1,330	2453			evive - uninte		ļ
						1,330	2501		•	ssue fee (or reissue)		
		Claims	below	Fee Paid	1502	480	2502		Design issu			
	Total Claims 16		× =	0.00	1503	640	2503		Plant issue			
	Claims	السسسا	× =	0.00	1460	130	1460			the Commiss		
	Multiple Dependent	į.	=		1807 1806	50	1807		_		CFR 1.17(q)	
	Large Entity Small Entity Fee Fee Fee Fee					180	1806	180			on Disclosure Stmt Issignment per	
	Fee Fee Fee Code (\$) Cod		Fee Description	<u>on</u>	8021	40	8021	40			of properties)	
	1202 18 220 1201 86 220		excess of 20 ent claims in exc	ess of 3	1809	770	2809	385	(37 ČFR 1.1	129(a))	final rejection	
	1203 290 220	•	ependent claim,		1810	770	2810	385		iditional inver 37CFR 1.129		
	1204 86 220	43 ** Reissue	independent cl		1801	770	2801	385	-		Examination (RCE)	
	1205 18 220		iginal patent e claims in exces	s of 20	1802	900	1802	900	Request for of a design	expedited examples	xamination	
			er original patent		Other fee (specify)							
	**or number previ	SUBTOTAL ously paid, if greater		0.00 see above	*Redu	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.0						0.00
	SUBMITTED BY											
						istration No. 28 371 Telephone (202) 828-2232)	
		. Homas J. DA			Attorne	ey/Agent)	120	,,,,,			<u>` </u>	•
	Signature						Date April 14, 2004					